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Deliver to: Examiner Bryan Bui  
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Fax Number: (571) 273-8300 Telephone No.: (571) 272-2271  
From: Jan Little-Washington, Reg. No. 41,181  
Date: January 16, 2007 Time: \_\_\_\_\_  
Operator: Yuko Tanaka Matter: 4735.P005  
Number of pages including cover sheet: 15  
In Re Patent Application of: Soma et al.  
Application No.: 10/665,970 Confirmation No.: 8349  
Filed: September 18, 2003 Art Unit: 2863  
For: CHARACTERIZATION OF RADIO FREQUENCY (RF) SIGNALS USING  
WAVELET-BASED PARAMETER EXTRACTION

Enclosed are the following documents:

- ☐ Amendment Transmittal, in duplicate (4 pages)
- ☐ Response and Amendment (10 page)

**CERTIFICATE OF TRANSMISSION**

I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office on:

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**JAN 16 2007**

Attorney's Docket No.: 4735.P005

Patent

In re the Application of: Soma et al.  
(inventor(s))

**AMENDMENT UNDER  
37 C.F.R. § 1.116  
EXPEDITED PROCEDURE**

Application No.: 10/665,970

**EXAMINING GROUP 2800**

Filed: September 18, 2003

For: CHARACTERIZATION OF RADIO FREQUENCY (RF) SIGNALS USING WAVELET-BASED  
PARAMETER EXTRACTION

(title)

Mail Stop AF  
COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

SIR: Transmitted herewith is a **Response and Amendment** for the above-referenced application.

Applicant claims small entity status. See 37 CFR 1.27.

☒ **No additional claim fee is required.**

A Notice of Appeal is enclosed.

The fee has been calculated as shown below:

(Col. 1)			(Col. 2)		(Col. 3)	SMALL ENTITY		OTHER THAN A SMALL ENTITY	
	Claims Remaining After Amd.		Highest No. Previously Paid For		Present Extra	Rate	Additional Fee	Rate	Additional Fee
Total Claims	* 30	Minus	** 38		0	X25	\$	X50	\$ 0
Indep. Claims	* 8	Minus	*** 8		0	X100	\$	X200	\$ 0
	First Presentation of Multiple Dependent Claim(s)					+180	\$	+360	\$
						Total Add. Fee	\$	Total Add. Fee	\$ 0

\* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

\*\* If the "Highest No. Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

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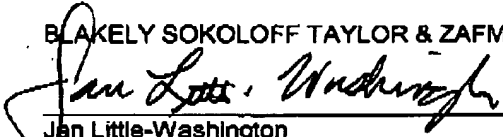
(Signature of person transmitting paper)

- \_\_\_\_\_ A check in the amount of \$ \_\_\_\_\_ is attached for presentation of additional claim(s).
- \_\_\_\_\_ Applicant(s) hereby Petition(s) for an Extension of Time of \_\_\_\_\_ month(s) pursuant to 37 C.F.R. § 1.136(a).
- \_\_\_\_\_ A check for \$ \_\_\_\_\_ is attached for processing fees under 37 C.F.R. § 1.17.
- X \_\_\_\_\_ The Under Secretary of Commerce for Intellectual Property and Director of the United States Patent and Trademark Office is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 02-2668 (a duplicate copy of this sheet is enclosed):
- X \_\_\_\_\_ Any additional filing fees required under 37 C.F.R. § 1.16 for presentation of extra claims.
- X \_\_\_\_\_ Any extension or petition fees under 37 C.F.R. § 1.17.

Date:

1/16/2007

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Los Angeles, California 90025  
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Attorney's Docket No.: 4735.P005

Patent

In re the Application of: Soma et al.  
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EXPEDITED PROCEDURE**Application No.: 10/665,970**EXAMINING GROUP 2800**Filed: September 18, 2003For: CHARACTERIZATION OF RADIO FREQUENCY (RF) SIGNALS USING WAVELET-BASED  
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	(Col. 1) Claims Remaining After Amd.		(Col. 2) Highest No. Previously Paid For	(Col. 3) Present Extra
Total Claims	* 30	Minus	** 38	0
Indep. Claims	* 8	Minus	*** 8	0
First Presentation of Multiple Dependent Claim(s)				

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SMALL ENTITY	
Rate	Additional Fee
X25	\$
X100	\$
+180	\$
Total Add. Fee	\$

OTHER THAN A SMALL ENTITY	
Rate	Additional Fee
X50	\$ 0
X200	\$ 0
+360	\$
Total Add. Fee	\$ 0

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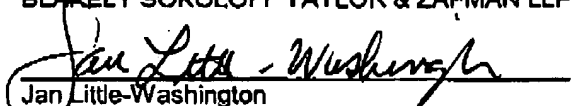
Y. Tanaka

(Signature of person transmitting paper)

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- \_\_\_\_\_ A check for \$ \_\_\_\_\_ is attached for processing fees under 37 C.F.R. § 1.17.
- ☒ The Under Secretary of Commerce for Intellectual Property and Director of the United States Patent and Trademark Office is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 02-2666 (a duplicate copy of this sheet is enclosed):
- ☒ Any additional filing fees required under 37 C.F.R. § 1.16 for presentation of extra claims.
- ☒ Any extension or petition fees under 37 C.F.R. § 1.17.

Date: 1/16/2007

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For: CHARACTERIZATION OF RADIO  
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EXTRACTION

Examiner: Bui, Bryan

Art Unit: 2863

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**RESPONSE AND AMENDMENT UNDER 37 C.F.R. §§ 1.116 AND 1.121**

Sir or Madam:

In response to the Final Office Action mailed November 15, 2006, Applicants submit the following Amendment and Remarks. Claim Amendments begin on page 2 of this paper. Remarks begin on page 8 of this paper. Applicants respectfully request that the Examiner reconsider the application.

It is not believed that extensions of time are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. §1.136(a). Any fees required therefore are hereby authorized to be charged to Deposit Account No. 02-2666. Please credit any overpayment to the same deposit account.

Kindly enter the following Amendment and consider the following Remarks.

4735.P005  
Serial No. 10/665,970

- 1 -

Examiner: Bui, Bryan.  
Art Unit: 2863